

30 June 1960

MEMORANDUM FOR: [REDACTED]

SUBJECT : Spatial Filter Equipment

1. The above equipment is now with [REDACTED] and is being re-assembled by [REDACTED]

STATINTL

2. During transit to [REDACTED] the transformer base casting was cracked and requires repair.

3. It was also found that the diffraction disc wheel drive motor was burnt out and is being rewound. This, [REDACTED] thinks was a motor fault and the motor manufacturers are apparently rewinding. It may however have also been due to the fact that, by virtue of the varying disc sizes, the wheel was unbalanced, and required more power than the motor could deliver to overcome the initial inertia when changing discs. [REDACTED] intend to balance this wheel.

STATINTL

4. The new source light proposed, whilst improving intensity by a factor of 6, also generates excessive ozone. This will require venting to the atmosphere to avoid operator hazard. There appear to be three courses of action open to us when we receive the equipment back.

(1) Leave it disassembled until we move.

(2) Vent the R&D Laboratory.

(3) Make room in the 20x enlarger room which is vented, and use in here a temporary basis.

Providing there is operating room available (10 ft. x 4 ft.), (3) would seem best in view of the circumstances.

5. [REDACTED] propose to work on the modification in two phases, one during the period approx 12-17 July, then after the vacation period between 8-20 August. [REDACTED] anticipates delivery back to us about August 27, 1960.

STATINTL

Declass Review by NIMA/DOD